

10/781855

DERWENT- 1988-358510

ACC-NO:

DERWENT- 198850

WEEK:

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TITLE: Oxygen-donating agent for agricultural use - contains alkaline earth metal peroxide, magnesium sulphate-anhydrate, poly:hydrate and their complex cpds., and basic cpd.

PATENT-ASSIGNEE: ISHIHARA HIRYO KOGY[ISHIN]

PRIORITY- 1986JP-0311656 (December 26, 1986) , 1987JP-0321691
DATA: (December 18, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 63270612 A</u>	November 8, 1988	N/A	006	N/A

JP 94051608 B2	July 6, 1994	N/A	006	A01N 059/00
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 63270612A	N/A	1987JP-0321691	December 18, 1987
JP 94051608B2	N/A	1987JP-0321691	December 18, 1987
JP 94051608B2	Based on	JP 63270612	N/A

INT-CL (IPC): A01C001/06, A01N025/22 , A01N059/00 , C05G003/00

ABSTRACTED-PUB-NO: JP 63270612A

BASIC-ABSTRACT:

An oxygen-donating agent comprises (a) an alkaline earth metal peroxide as active ingredient, (b) at least one magnesium cpd. selected from magnesium sulphate (anhydrate to hexahydrate) and

magnesium sulphate complex obtd. by dehydrating one mol. or more from the max. hydrated state of water of crystallisation (anhydrate to polyhydrate), and (c) a basic substance.

(a) is formed by treating a mixt. of calcium peroxide, magnesium peroxide, Ca-cpd., and Mg-cpd. with H₂O₂. Pref. Ca-cpd. and Mg-cpd. are blended in a molar ratio of 9.9-0.1-3.2 as calcium oxide and magnesium oxide in citric sol. magnesium oxide, and the resulting mixt. is treated with H₂O₂ to obtain a solid. (b) is magnesium potassium sulphate, magnesium sulphate fertiliser, processed magnesium fertiliser, manganese magnesium sulphate fertiliser and processed boron magnesium fertiliser. (c) is slaked lime, quick lime, magnesium hydroxide and light fired magnesia.

USE/ADVANTAGE - Applied to seeds to accelerate germination. (b) and (c) improve the stability of the agent. The oxygen-donating effect is also improved.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: OXYGEN DONATING AGENT AGRICULTURE CONTAIN ALKALINE EARTH METAL PEROXIDE MAGNESIUM SULPHATE ANHYDRATE POLY HYDRATE COMPLEX COMPOUND BASIC COMPOUND

DERWENT-CLASS: C03 P11

CPI-CODES: C05-A01A; C05-A01B; C12-N09; C12-P04;

CHEMICAL-CODES: Chemical Indexing M2 *01* Fragmentation Code A212 A220 A940 C408 C550 C730 C801 C802 C803 C804 C805 C807 M411 M431 M782 M903 M904 P134 Specfic Compounds 04118M 04787M Registry Numbers 3102R 1678D

Chemical Indexing M2 *02* Fragmentation Code A212 A940 C108 C316 C540 C730 C801 C802 C803 C804 C805 M411 M431 M782 M903 M904 M910 P112 P134 Q620 Specfic Compounds 01680M Registry Numbers 3102R 1678D

Chemical Indexing M2 *03* Fragmentation Code A119 A212 A940 C108 C316 C540 C730 C801 C802 C803 C804 C805 M411 M431 M782 M903 M904 P134 Q620 Specfic Compounds 10172M Registry Numbers 3102R 1678D

Chemical Indexing M2 *04* Fragmentation Code A212 A220 A940 C101 C108 C550 C730 C801 C802 C804 C805 C807 M411 M431 M782 M903 M904 M910 P134 Q620 Specfic Compounds 01502M 01509M Registry Numbers 3102R 1678D

Chemical Indexing M2 *05* Fragmentation Code A212 A220
A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411
M431 M782 M903 M904 M910 P134 Q620 Specific Compounds
01503M 01510M Registry Numbers 3102R 1678D

UNLINKED-DERWENT-REGISTRY- ; 1502U ; 1503U ; 1509U ; 1510U ;
NUMBERS: 1680U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-158757

Non-CPI Secondary Accession Numbers: N1988-271672